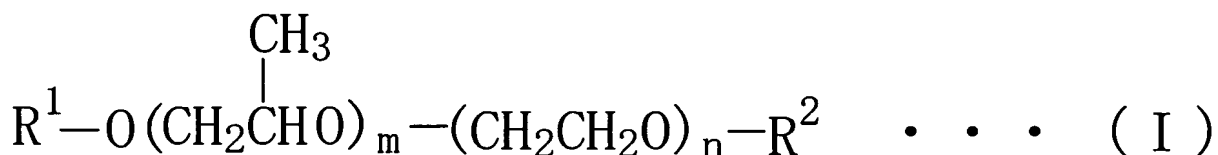
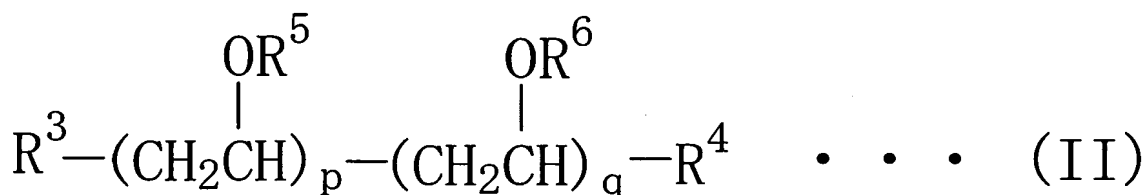


What is claimed is:

1. A refrigerating oil composition comprising
a refrigerant (A) containing as a predominant component
a C1-C8 hydrocarbon compound and
a base oil (B) composed of a polyalkylene glycol ether
represented by formula (I):



wherein each of R^1 and R^2 represents a hydrogen atom, a C1-C18 hydrocarbon group, or a C2-C18 acyl group, provided that R^1 and R^2 are not simultaneously hydrogen atoms; each of m and n is an integer of 1 or more; and $n/(m + n)$ is more than 0.4, and/or a polyvinyl ether represented by formula (II):



wherein each of R^3 and R^4 represents a hydrogen atom, a C1-C18 hydrocarbon group, or a C2-C18 acyl group; R^5 represents a C1-C4 hydrocarbon group; R^6 represents a C2-C4 hydrocarbon group, provided that the number of carbon atoms contained in R^6 is greater than that of carbon atoms contained in R^5 ; p is an integer of 1 or more; and q is an integer of 0 or more,

and satisfying the following conditions:

- (i) solubility of the refrigerant (A) in the base oil (B) is 40 mass% or less at 40°C and 1.2 MPa and

(ii) mixture viscosity of the refrigerating oil composition is $0.1 \text{ mm}^2/\text{s}$ or more at 90°C and 2.3 MPa .

2. A refrigerating oil composition as described in claim 1, wherein $p/(p + q)$ in formula (II) is 0.1 or more.

3. A refrigerating oil composition as described in claim 2, wherein R^5 in formula (II) is a methyl group.

4. A refrigerating oil composition as described in any one of claims 1 to 3, wherein the solubility of the refrigerant (A) in the base oil (B) is 2 to 40 mass% at 40°C and 1.2 MPa .

5. A refrigerating oil composition as described in claim 4, wherein the solubility of the refrigerant (A) in the base oil (B) is 2 to 30 mass% at 40°C and 1.2 MPa .

6. A refrigerating oil composition as described in claim 5, wherein the solubility of the refrigerant (A) in the base oil (B) is 5 to 25 mass% at 40°C and 1.2 MPa .

7. A refrigerating oil composition as described in any one of claims 1 to 6, which exhibits a mixture viscosity of $0.5 \text{ mm}^2/\text{s}$ or more at 90°C and 2.3 MPa .

8. A refrigerating oil composition as described in any one of claims 1 to 7, wherein the base oil (B) has a weight average molecular weight (Mw) of 500 or more.

9. A refrigerating oil composition as described in any one of claims 1 to 8, wherein the base oil (B) has an oxygen atom content of 10 mass% or more.